

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE					ATTY DOCKET NO. TSRI 419.0 Con 1		SERIAL NO. 09/081,522	
					APPLICANT Brooks, et al		FILING DATE 5/19/98	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT					U.S. PATENT DOCUMENTS			
EXAM. INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE	
<i>M</i>		5,092,885	3/3/92	YAMADA, ET AL. U.S. Patent				
<i>M</i>	① P E	5,112,946	5/12/92	MALOY, ET AL. U.S. Patent				
<i>M</i>		5,192,744	3/9/93	BOUCK, ET AL. U.S. Patent				
<i>M</i>	MAR 15 1993	5,202,352	4/13/93	OKADA, ET AL. U.S. Patent				

FOREIGN PATENT DOCUMENTS

EXAM. INITIALS		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO
<i>M</i>		8905155	6/15/89	PCT			
<i>M</i>		0 576 898 A2	6/15/93	European Patent			
<i>M</i>		0 578 083 A2	6/26/93	European Patent			
<i>M</i>		8906356	7/27/89	PCT			
<i>M</i>		9320229	10/14/93	PCT			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages)

<i>M</i>	1	Davis, et al., "Identification of a Role of the Vitronectin Receptor and Protein Kinase C in the Induction of Endothelial Cell Vascular Formation", <u>J. of Cell. Biochem.</u> 51: 206-218 (1993)
	2	Folkman, et al., "Angiogenic Factors", <u>Science</u> 235: 442-447 (1987)
	3	Moses, et al., "Identification of an Inhibitor of Neovascularization from Cartilage", <u>Science</u> 248: 1408-1410 (1990)
	4	Folkman, et al., "Inhibition of Angiogenesis", <u>Cancer Bio.</u> 3: 89-96 (1992)
	5	Blood, et al., "Tumor Interactions with the Vasculature: Angiogenesis and Tumor Metastasis", <u>Biochim. et Biophys. Acta</u> 1032: 89-118 (1990)
	6	Ingber, et al., "Inhibition of Angiogenesis through Modulation of Collagen Metabolism", <u>Lab. Invest.</u> 59 (1): 44-51 (1988)
	7	Aumailley, et al., "Arg-Gly-Asp Constrained within Cyclic Pentapeptides: Strong and Selective Inhibitors of Cell Adhesion to Vitronectin and Laminin-Fragment P1", <u>Fed. of Euro. Biochem. Soc.</u> 291 (1): 50-54 (1991)
	8	Choi, et al., "Inhibition of Neointimal Hyperplasia by Blocking α , β , Integrin with a Small Peptide Antagonist Gp65RGDSPCA", <u>J. of Vasc. Surg.</u> 12: 125-134 (1994)
	9	Nicosia, et al., "Inhibition of Angiogenesis in vitro by Arg-Gly-Asp-Containing Synthetic Peptide", <u>Amer. Jour. of Patho.</u> 138 (4): 829-833 (1991)
	10	Cheresh, et al., "Biosynthetic and Functional Properties of an Arg-Gly-Asp-directed Receptor Involved in Human Melanoma Cell Attachment to Vitronectin, Fibrinogen, and von Willebrand Factor", <u>J. of Bio. Chem.</u> 262 (36): 17703-17711 (1987)
<i>M</i>	11	Leavesley, et al., "Integrin β 1- and β 3-mediated Endothelial Cell Migration is Triggered through Distinct Signaling Mechanisms", <u>J. of Cell Biol.</u> 121: 163-170 (1993)

EXAMINER

Grainger 4/9/01

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FOREIGN PATENT DOCUMENTS

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages)

Me	12	Swerlick, et al., "Expression and Modulation of the Vitronectin Receptor on Human Dermal Microvascular Endothelial Cells", <u>J. of Inves. Derm.</u> 99 (6): 715-722 (1992)
	13	Brooks, et al., "Subtractive Immunization Yields Monoclonal Antibodies that Specifically Inhibit Metastasis", <u>J. of Cell Biol.</u> 122 (6): 1351-1359 (1993)
	14	Nip, et al., "Human Melanoma Cells Derived from Lymphatic Metastases Use Integrin $\alpha_1\beta_1$ to Adhere to Lymph Node Vitronectin", <u>J. Clin. Invest.</u> 90 : 1406-1413 (1992)
	15	Jackson, et al., "Isolation and Propagation of Endothelial Cells Derived from Rheumatoid Synovial Microvasculature", <u>Ann. of the Rheu. Dis.</u> 48 : 733-736 (1989)
	16	Waldman, Thomas A., "Monoclonal Antibodies in Diagnosis and Therapy", <u>Science</u> 252 : 1657-1662 (1991)
	17	Brooks, et al., "Requirement of Vascular Integrin $\alpha_1\beta_1$ for Angiogenesis", <u>Science</u> 264 : 569-570 (1994)
	18	Chuntharapai, et al., "Blocking Monoclonal Antibodies to $\alpha V\beta 3$ Integrin: A Unique Epitope of $\alpha V\beta 3$ Integrin is Present on Human Osteoclasts", <u>Exper. Cell Res.</u> 205 : 345-352 (1993)
	19	Osband, et al., "Problems in the Investigational Study and Clinical Use of Cancer Immunotherapy", <u>Imm. Today</u> 11 (6): 193-195 (1990)
Me	20	Ausprunk, et al., "Vascularization of Normal and Neoplastic Tissues Grafted to the Chick Chorioallantois", <u>Amer. J. of Path.</u> 79 (3): 597-610 (1975)

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEINFORMATION DISCLOSURE
STATEMENT BY APPLICANTATTY DOCKET NO.
TSRI 419.0 Con 1SERIAL NO.
09/081,522APPLICANT
Brooks, et al.FILING DATE
5/19/98GROUP
1648 1694

U.S. PATENT DOCUMENTS

EXAM. INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE



FOREIGN PATENT DOCUMENTS

EXAM. INITIALS	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages)

<i>M</i>	21	Cheresh, et al., "Recognition of Distinct Adhesive Sites on Fibrinogen by Related Integrins on Platelets and Endothelial Cells", <u>Cell</u> 58: 945-953 (1989)
<i>M</i>	22	D'Amato, et al., "Thalidomide is an Inhibitor of Angiogenesis", <u>Proc. Natl. Acad. Sci. USA</u> 91: 4082-4085 (1994)
<i>M</i>	23	Leibovich, et al., "Macrophage-induced Angiogenesis is Mediated by Tumour Necrosis Factor- α ", <u>Nature</u> 329: 630-632 (1987)
<i>M</i>	24	Pfaff, et al., "Selective Recognition of Cyclic RGD Peptides of NMR Defined Conformation by α 1 β 3, and α 5 β 1 Integrins", <u>J. of Biol. Chem.</u> 269 (32): 20233-20238 (1994)
<i>M</i>	25	Yan, et al., "Human/Severe Combined Immunodeficient Mouse Chimeras: An Experimental in Vivo Model System to Study the Regulation of Human Endothelial Cell-Leukocyte Adhesion Molecules", <u>J. Clin. Invest.</u> 91: 986-996 (1993)
<i>M</i>	26	Gurraith, et al., "Conformation/Activity Studies of Rationally Designed Potent Anti-Adhesive RGD Peptides", <u>Eur. J. Biochem</u> 210: 911-921 (1992)
<i>M</i>	27	Leven, et al., "Extracellular Matrix Stimulation of Guinea Pig Megakaryocyte Proplatelet Formation in vitro Is Mediated Through the Vitronectin Receptor", <u>Exp. Hematol.</u> 20: 1316-1322 (1992)
<i>M</i>	28	Lafrenie, et al., "Up-regulated Biosynthesis and Expression of Endothelial Cell Vitronectin Receptor Enhances Cancer Cell Adhesion", <u>Canc. Res.</u> 52: 2202-2208 (1992)
<i>M</i>	29	Klein, et al., "Basic Fibroblast Growth Factor Modulates Integrin Expression in Microvascular Endothelial Cells", <u>Mol. Bio. of the Cell</u> 4: 973-982 (1993)

EXAMINER

G-Mozer 4/9/01

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.
MCIC:\WP\IDS\MER0046P.449